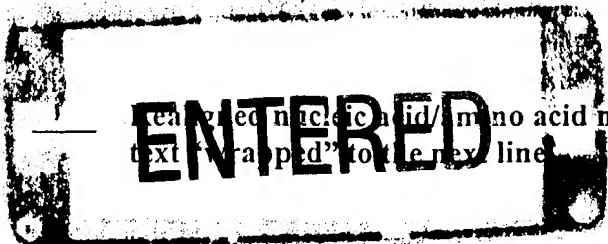


1FW16

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/014,658A

CRF Edit Date: 8/16/04
Edited by: AZ



___ Corrected the SEQ ID NO. Sequence numbers edited were:

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID
NO's edited:

___ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

___ Moved responses to same line as heading/numeric identifier, specifically:

___ Other:



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/014,658A

DATE: 08/16/2004

TIME: 10:12:18

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08162004\J014658A.raw

5 <110> APPLICANT: Bock, Susan C.
 6 Picard, Veronique
 7 Zendeherouh, Pedram
 9 <120> TITLE OF INVENTION: Human Antithrombin IIIs and Methods Related Thereto
 12 <130> FILE REFERENCE: 21101.0004U3
 14 <140> CURRENT APPLICATION NUMBER: 10/014,658A
 15 <141> CURRENT FILING DATE: 2001-12-11
 17 <150> PRIOR APPLICATION NUMBER: 09/305,588
 18 <151> PRIOR FILING DATE: 1999-05-05
 21 <150> PRIOR APPLICATION NUMBER: 60/085,197
 22 <151> PRIOR FILING DATE: 1998-05-12
 25 <160> NUMBER OF SEQ ID NOS: 35
 28 <170> SOFTWARE: PatentIn Ver. 4.0
 32 <210> SEQ ID NO: 1
 33 <211> LENGTH: 9
 34 <212> TYPE: PRT
 35 <213> ORGANISM: Homo sapiens
 38 <400> SEQUENCE: 1
 40 Ser Thr Ala Leu Glu Ala Ile Gly Arg
 41 1 5
 44 <210> SEQ ID NO: 2
 45 <211> LENGTH: 9
 46 <212> TYPE: PRT
 47 <213> ORGANISM: Homo sapiens
 49 <400> SEQUENCE: 2
 50 Ser Thr Glu Val Glu Ala Ala Gly Arg
 51 1 5
 55 <210> SEQ ID NO: 3
 56 <211> LENGTH: 9
 58 <212> TYPE: PRT
 59 <213> ORGANISM: Homo sapiens
 W--> 60 <400> SEQUENCE: 3
 62 Ser Thr Ala Val Glu Ala Ala Gly Arg
 63 1 5
 66 <210> SEQ ID NO: 4
 67 <211> LENGTH: 9
 68 <212> TYPE: PRT
 69 <213> ORGANISM: Homo sapiens
 71 <400> SEQUENCE: 4
 73 Ser Thr Glu Gly Phe Phe Ser Gly Arg
 74 1 5
 77 <210> SEQ ID NO: 5
 78 <211> LENGTH: 9

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/014,658A

DATE: 08/16/2004

TIME: 10:12:18

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08162004\J014658A.raw

79 <212> TYPE: PRT
80 <213> ORGANISM: Homo sapiens
82 <400> SEQUENCE: 5
83 Ser Thr Glu Gly Glu Ala Ser Gly Arg
84 1 5
87 <210> SEQ ID NO: 6
88 <211> LENGTH: 9
89 <212> TYPE: PRT
90 <213> ORGANISM: Homo sapiens
92 <400> SEQUENCE: 6
93 Ser Thr Glu Gly Glu Gly Ser Gly Arg
94 1 5
97 <210> SEQ ID NO: 7
98 <211> LENGTH: 9
99 <212> TYPE: PRT
100 <213> ORGANISM: Homo sapiens
103 <400> SEQUENCE: 7
104 Ser Glu Glu Gly Glu Ala Ser Gly Arg
105 1 5
108 <210> SEQ ID NO: 8
109 <211> LENGTH: 9
110 <212> TYPE: PRT
111 <213> ORGANISM: Homo sapiens
113 <400> SEQUENCE: 8
115 Ser Glu Glu Gly Glu Gly Ser Gly Arg
116 1 5
119 <210> SEQ ID NO: 9
120 <211> LENGTH: 9
121 <212> TYPE: PRT
122 <213> ORGANISM: Homo sapiens
124 <400> SEQUENCE: 9
125 Ser Thr Ala Val Glu Gly Ala Gly Arg
126 1 5
129 <210> SEQ ID NO: 10
130 <211> LENGTH: 9
131 <212> TYPE: PRT
132 <213> ORGANISM: Homo sapiens
134 <400> SEQUENCE: 10
135 Ser Thr Glu Val Glu Gly Ala Gly Arg
136 1 5
139 <210> SEQ ID NO: 11
140 <211> LENGTH: 9
141 <212> TYPE: PRT
142 <213> ORGANISM: Homo sapiens
144 <400> SEQUENCE: 11
145 Ser Thr Glu Leu Glu Gly Ala Gly Arg
146 1 5
150 <210> SEQ ID NO: 12
151 <211> LENGTH: 9

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/014,658A

DATE: 08/16/2004

TIME: 10:12:18

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08162004\J014658A.raw

```

152 <212> TYPE: PRT
153 <213> ORGANISM: Homo sapiens
155 <400> SEQUENCE: 12
156 Ser Thr Ala Leu Glu Gly Ala Gly Arg
157 1 5
160 <210> SEQ ID NO: 13
161 <211> LENGTH: 9
162 <212> TYPE: PRT
163 <213> ORGANISM: Homo sapiens
165 <400> SEQUENCE: 13
166 Ser Thr Ala Glu Gly Gly Gly Gly Arg
167 1 5
170 <210> SEQ ID NO: 14
171 <211> LENGTH: 9
172 <212> TYPE: PRT
173 <213> ORGANISM: Homo sapiens
175 <400> SEQUENCE: 14
176 Ser Thr Gln Thr Pro Pro Asn Gly Arg
177 1 5
180 <210> SEQ ID NO: 15
181 <211> LENGTH: 9
182 <212> TYPE: PRT
183 <213> ORGANISM: Homo sapiens
185 <400> SEQUENCE: 15
186 Ser Thr Ala Val Phe Phe Ala Gly Arg
187 1 5
190 <210> SEQ ID NO: 16
191 <211> LENGTH: 1525
192 <212> TYPE: DNA
193 <213> ORGANISM: Homo sapiens
195 <400> SEQUENCE: 16
196 gatcacacta tctccacttg cccagccctg tggaagatta gcggccatgt attccaatgt 60
197 gataggaact gtaacctctg gaaaaaggaa ggtttatctt ttgtccttgc tgctcattgg 120
199 cttctgggac tgcgtgacct gtcacgggag ccctgtggac atctgcacag ccaagccgcg 180
200 ggacattccc atgaatccca tgtgcattta ccgctccccg gagaagaagg caactgagga 240
201 tgagggtcca gaacagaaga tcccggaggc caccaaccgg cgtgtctggg aactgtccaa 300
202 ggccaattcc cgctttgcta ccactttcta tcagcacctg gcagattcca agaatgacaa 360
203 tgataacatt ttcctgtcac ccctgagtat ctccacggct tttgctatga ccaagctggg 420
204 tgcctgtaat gacaccctcc agcaactgat ggaggtatgt aagtttgaca ccatatctga 480
205 gaaaacatct gatcagatcc acttcttctt tgccaaactg aactgccgac tctatcgaaa 540
206 agccaacaaa tcctccaagt tagtatcagc caatcgccct tttggagaca aatcccttac 600
207 cttcaatgag acctaccagg acatcagtga gttggtatat ggagccaagc tccagccctc 660
208 ggacttcaag gaaaatgcag agcaatccag agcggccatc aacaaatggg tgtccaataa 720
209 gaccgaaggc cgaatcaccg atgtcattcc ctcggaagcc atcaatgagc tcaactgttct 780
210 ggtgctggtt aacaccattt acttcaaggg cctgtggaag tcaaagttca gccctgagaa 840
211 cacaaggaag gaactgttct acaaggctga tggagagtcg tgttcagcat ctatgatgta 900
212 ccaggaaggc aagttccggt atcggcgcgt ggctgaaggc acccaggtgc ttgagttgcc 960
213 cttcaaaggt gatgacatca ccatggtcct catcttgccc aagcctgaga agagcctggc 1020
214 caaggtggag aaggaactca cccagaggt gctgcaggag tggctggatg aattggagga 1080

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/014,658A

DATE: 08/16/2004

TIME: 10:12:18

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08162004\J014658A.raw

```

215 gatgatgctg gtggttcaca tgccccgctt ccgcattgag gacggcttca gtttgaagga 1140
216 gcagctgcaa gacatgggcc ttgtcgatct gttcagccct gaaaagtcca aactcccagg 1200
217 tattgttgca gaaggccgag atgacctcta tgtctcagat gcattccata aggcatttct 1260
218 tgaggtaaat gaagaaggca gtgaagcagc tgcaagtacc gctgttgtga ttgctggccg 1320
219 ttcgctaaac cccaacaggg tgactttcaa ggccaacagg cccttcctgg tttttataag 1380
220 agaagttcct ctgaacacta ttatcttcat gggcagagta gccaacctt gtgttaagta 1440
221 aaatgttctt attctttgca cctcttccta tttttgggtt gtgaacagaa gtaaaaaataa 1500
222 atacaaacta ctcccatctc acatt                                     1525
226 <210> SEQ ID NO: 17
227 <211> LENGTH: 36
228 <212> TYPE: DNA
229 <213> ORGANISM: Homo sapiens
231 <400> SEQUENCE: 17
232 accgcggaag gaggaggcgg ccgttcgcta aacccc                                     36
235 <210> SEQ ID NO: 18
236 <211> LENGTH: 29
237 <212> TYPE: DNA
238 <213> ORGANISM: Homo sapiens
240 <400> SEQUENCE: 18
241 accgctgttt tcttcgccgg ccgttcgct                                     29
243 <210> SEQ ID NO: 19
244 <211> LENGTH: 48
245 <212> TYPE: DNA
246 <213> ORGANISM: Homo sapiens
249 <400> SEQUENCE: 19
251 accgaaggtt tcttctctgg ccgttcttta aaccccaaca gggtgact                                     48
255 <210> SEQ ID NO: 20
256 <211> LENGTH: 48
257 <212> TYPE: DNA
258 <213> ORGANISM: Homo sapiens
260 <400> SEQUENCE: 20
261 acccaaactt tcttcaacgg ccgaagctta aaccccaaca gggtgact                                     48
264 <210> SEQ ID NO: 21
265 <211> LENGTH: 34
266 <212> TYPE: DNA
267 <213> ORGANISM: Homo sapiens
269 <400> SEQUENCE: 21
270 ctgcaagtac tgaaggtgaa gcttctggcc gttc                                     34
273 <210> SEQ ID NO: 22
274 <211> LENGTH: 34
275 <212> TYPE: DNA
276 <213> ORGANISM: Homo sapiens
279 <400> SEQUENCE: 22
280 ctgcaagtac tgaaggtgaa ggttctggcc gttc                                     34
284 <210> SEQ ID NO: 23
285 <211> LENGTH: 40
286 <212> TYPE: DNA
287 <213> ORGANISM: Homo sapiens
289 <400> SEQUENCE: 23

```

RAW SEQUENCE LISTING

DATE: 08/16/2004

PATENT APPLICATION: US/10/014,658A

TIME: 10:12:18

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08162004\J014658A.raw

```

290 aagcagctgc tagcgaagaa ggtgaagctt ctggccgttc          40
294 <210> SEQ ID NO: 24
295 <211> LENGTH: 40
296 <212> TYPE: DNA
297 <213> ORGANISM: Homo sapiens
299 <400> SEQUENCE: 24
301 aagcagctgc tagcgaagaa ggtgaagggtt ctggccgttc          40
304 <210> SEQ ID NO: 25
305 <211> LENGTH: 32
306 <212> TYPE: DNA
307 <213> ORGANISM: Homo sapiens
309 <400> SEQUENCE: 25
310 ctgcaagtac tgctgttgaa ggtgctggcc gt                   32
313 <210> SEQ ID NO: 26
314 <211> LENGTH: 32
315 <212> TYPE: DNA
316 <213> ORGANISM: Homo sapiens
318 <400> SEQUENCE: 26
319 ctgcaagtac tgaggttgaa ggtgctggcc gt                   32
322 <210> SEQ ID NO: 27
323 <211> LENGTH: 32
324 <212> TYPE: DNA
325 <213> ORGANISM: Homo sapiens
327 <400> SEQUENCE: 27
328 ctgcaagtac tgagcttgaa ggtgctggcc gt                   32
331 <210> SEQ ID NO: 28
332 <211> LENGTH: 32
333 <212> TYPE: DNA
334 <213> ORGANISM: Homo sapiens
337 <400> SEQUENCE: 28
338 ctgcaagtac tgctcttgaa ggtgctggcc gt                   32
341 <210> SEQ ID NO: 29
342 <211> LENGTH: 32
343 <212> TYPE: DNA
344 <213> ORGANISM: Homo sapiens
346 <400> SEQUENCE: 29
348 ctgcaagtac tgctgttgag gctgctggcc gt                   32
352 <210> SEQ ID NO: 30
353 <211> LENGTH: 32
354 <212> TYPE: DNA
355 <213> ORGANISM: Homo sapiens
357 <400> SEQUENCE: 30
358 ctgcaagtac tgaggttgag gctgctggcc gt                   32
361 <210> SEQ ID NO: 31
362 <211> LENGTH: 18
363 <212> TYPE: DNA
364 <213> ORGANISM: Homo sapiens
366 <400> SEQUENCE: 31
367 tattgttgca gaaggccg                                     18

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/014,658A

DATE: 08/16/2004
TIME: 10:12:19

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\08162004\J014658A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 2,7,41

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/014,658A

DATE: 08/16/2004

TIME: 10:12:19

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08162004\J014658A.raw

L:60 M:283 W: Missing Blank Line separator, <400> field identifier



IFW16

RAW SEQUENCE LISTING

DATE: 08/13/2004

PATENT APPLICATION: US/10/014,658A

TIME: 15:49:51

Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\08132004\J014658A.raw

5 <110> APPLICANT: Bock, Susan C.
 6 Picard, Veronique
 7 Zendeihrouh, Pedram
 9 <120> TITLE OF INVENTION: Human Antithrombin IIIs and Methods Related Thereto
 12 <130> FILE REFERENCE: 21101.0004U3
 14 <140> CURRENT APPLICATION NUMBER: 10/014,658A
 15 <141> CURRENT FILING DATE: 2001-12-11
 17 <150> PRIOR APPLICATION NUMBER: 09/305,588
 18 <151> PRIOR FILING DATE: 1999-05-05
 21 <150> PRIOR APPLICATION NUMBER: 60/085,197
 22 <151> PRIOR FILING DATE: 1998-05-12
 25 <160> NUMBER OF SEQ ID NOS: 35
 28 <170> SOFTWARE: PatentIn Ver. 4.0

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

44 <210> SEQ ID NO: 2
 45 <211> LENGTH: 9
 46 <212> TYPE: PRT
 47 <213> ORGANISM: Homo sapiens
 49 <400> SEQUENCE: 2
 50 Ser Thr Glu Val Glu Ala Ala Gly Arg
 E--> 51 5

insert
a hard return

1

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/13/2004
PATENT APPLICATION: US/10/014,658A TIME: 15:49:52

Input Set : A:\PTO.FG.txt
Output Set: N:\CRF4\08132004\J014658A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 2,7,41

Seq#:2; Line(s) 50

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/014,658A

DATE: 08/13/2004

TIME: 15:49:52

Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\08132004\J014658A.raw

L:51 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2
L:51 M:301 E: (44) No Sequence Data was Shown, SEQ ID:2
L:51 M:252 E: No. of Seq. differs, <211> LENGTH:Input:9 Found:0 SEQ:2
L:59 M:283 W: Missing Blank Line separator, <400> field identifier